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### **BUREAU OF PUBLIC WATER SUPPLY**

CALENDAR YEAR 2008 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

		1 orth Lee 1	Water Supply Name	4 Assaiction	
		List PWS ID #s for all	Water Systems Covered by	35,41002),410022 this'ccr	*
consum system,	er confidence rei	port (CCR) to its customers be mailed to the customers	each year. Depending on the	ter system to develop and distribute the population served by the public way of local circulation, or provided to	ter
Please .	Answer the Follo	owing Questions Regarding	the Consumer Confidence	? Report	
	Customers were	informed of availability of	CCR by: (Attach copy of p	ublication, water bill or other)	
		Advertisement in local pap On water bills Other	oer		
	Date custome:	rs were informed: $\frac{\int G}{\int G}$	<u>S1</u> 10		
	CCR was dist	ributed by mail or other	direct delivery. Specify	other direct delivery methods:	
,	Date Mailed/Dis	stributed: <u>//</u>			
	CCR was publis	shed in local newspaper. (At	tach copy of published CC	R or proof of publication)	
	Name of Newsp	paper: Only Joc	ural		
	Date Published:	52510			
	CCR was posted	d in public places. (Attach li	ist of locations)		
	Date Posted:				
□ www	CCR was posted	d on a publicly accessible in	ternet site at the address:		
CERT	<u>IFICATION</u>				
system	in the form and r	manner identified above. I f	further certify that the infor	ed to the customers of this public war mation included in this CCR is true at the public water system officials by	and
Marie Comment	MSin	m tho.		6-8-10	
Name/	Title (President <sub>s</sub>	Mayor, Owner, etc.)		Date	

Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215 Phone: 601-576-7518

## ANNUAL DRINKING WATER QUALITY REPORT NORTH LEE COUNTY WATER ASSOCIATION

BARNES CROSSING WATER ASSOCIATION-PWS ID# 0410024
BIRMINGHAM RIDGE RD WATER ASSOCIATION-PWS ID# 0410025
CEDAR HILL WATER ASSOCIATION-PWS ID# 0410027
MACEDONIA WATER ASSOCIATION-PWS ID# 0410035
RED HILL WATER ASSOCIATION-PWS ID# 0410040
LAKE PIOMINGO WATER ASSOCIATION-PWS ID# 0410022

We are very pleased to provide you with the Annual Drinking Water Quality Report for 2009. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is, and has been, to provide to you a safe and dependable supply of drinking water. Barnes Crossing Water Association's water source is five (5) wells that draw from the Eutaw and the Lower Eutaw Formation Aquifer. Birmingham Ridge Water Association's water source is four (4) wells, which draw from the Eutaw Formation Aquifer. Cedar Hill Water Association's water source is two (2) wells that draw from the Gordo Formation Aquifer. Macedonia Water Association's water source is one (1) well that draws from the Eutaw Aquifer. The Red Hill Water Association's water source is one (1) well that draws from the Eutaw-McShan Aquifer. Lake Piomingo Water Association's water source is three (3) wells that draw from the Eutaw Aquifer.

## We are pleased to report that our drinking water meets all Federal and State requirements.

If you have any questions about this report or concerning your water utility, please contact Dan Durham of the North Lee County Water Association office (869-1223). We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings, which are held at 7:00 p.m. on the first Tuesday of each month. They are conducted at the Water Association office, located at 1004 Birmingham Ridge Road, Saltillo, Mississippi. This report will not be mailed out to each individual customer but you may pick up a copy in the office.

North Lee County Water Association routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the result of our monitoring for the period of January 1, 2009 through December 31, 2009. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled

drinking water, may be reasonably expected to contain at least small amounts of some constituents. It is important to remember that the presence of these constituents does not necessarily pose a health risk.

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards.

In this table you may find some terms and abbreviations with which you may not be familiar. To help you better understand these terms we have provided the following definitions:

<u>Parts Per Million (ppm) or Milligrams Per Liter (mg/l)</u> – One part per million corresponds to one minute in two years or a single penny in \$10,000.

<u>Parts Per Billion (ppb) or Micrograms Per Liter</u> – One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

<u>Action Level</u> – The concentration of a contaminant, which, if exceeded, triggers treatment, or other requirements, that a water system must follow.

<u>Maximum Contaminant Level</u> – The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

<u>Maximum Contaminant Level Goal</u> – The "goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

### Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with the service lines and home plumbing. North Lee County Water Association is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water,

testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <a href="http://www.epa.gov/safewater/lead">http://www.epa.gov/safewater/lead</a>.

The Mississippi State Department of Health Public Health Laboratory offers lead testing for \$10 per sample. Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic, or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/Aids or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Please call our office if you have questions.

We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

# BARNES CROSSING WATER QUALITY DATA TABLE

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Defects #of samples	Unit of Measurement	MCLG	MCL	Likely source of Contamination
				MCL/ACL				
			INORGAL	INORGANIC CONTAMINANTS	S			
								Discharge of drilling
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2	C	7	000		Ç	C	wastes;discharge
Barlum	Z.	8007	4	0.132- 0.141	E dd.	7	7	Irom metal refineries
								erosion of natural
								deposits
			****					Discharge from steel
Chromium	z	2009	9.	1.4- 1.9	qdd	100	100	and pulp mills; erosion
								of natural deposits
								Erosion of natural
								deposits; water additive
Fluoride	z	2009	0.108	0.1- 0.108	mdd	4	4	which promotes strong
								teeth; discharge from
								fertilizer and aluminum
								factories
								Dischage from petroleum
			*******					and metal refineries.
Selenium	z	2009	2.5	0	qdd	20	20	erosion of natural
								deposits; Discharge from
								mines.
								Corrosion of household
								plumbing systems; erosion
Copper	z	2008	.365	0	mdd	1.3	AL=1.3	of natural deposits
								leaching from wood pre-
								servatives
								Corrosion of household
Lead	Z	2008	7	0	qdd	0	AL=15	plumbing systems;erosion
								of natural deposits
			DISINFEC	DISINFECTANTS AND DISINFECTION BYPRODUCTS	FECTION BYPR	ODUCTS		
Chlorine	z	2009	0.18	0.07- 0.18	maa	4	4	Water additive used to
			: :	· •	- - - - - - - -	-	-	control microbes
					1	7		

# BIRMINGHAM RIDGE WATER QUALITY DATA TABLE

					T													_	Π					
Likely source of Contamination		Discharge of drilling	wastes, discrial ge from metal refineries	erosion of natural	Discharge from steel	and pulp mills; erosion	of natural deposits	Erosion of natural	deposits; water additive	which promotes strong	teeth; discharge from	fertilizer and aluminum	factories	Corrosion of household	plumbing systems;erosion	of natural deposits	leaching from wood pre-	servatives	Corrosion of household	plumbing systems; erosion	of natural deposits		Mater additive used to	control microbes
MCL			2			100				4						AL=1.3				AL=15			V	r
MCLG			2		- And converse	100				4						1.3				0		CODUCTS	V	t
Unit of Measurement	S.		mdd			qdd				mdd						mdd				qdd		FECTION BYPR	800	<u> </u>
Range of Defects #of samples exceding MCL/ACL	INORGANIC CONTAMINANTS		0.127- 0.132			0				0.12- 0.102						0				0		DISINFECTANTS AND DISINFECTION BYPRODUCTS	0.09	20.0
Level Detected	INORGAN		0.132			0.8				0.102						Τ.				<u>ه</u>		DISINFEC	20	- N.
Date Collected			2009		-	2009				2009						2008				2008			0006	6007
Violation Y/N			z			Z				Z						z				z			7	<u> </u>
Contaminant			Barium			Chromium				Fluoride						Copper				Lead			) 	ש ב ב ב ב ב ב

## **CEDAR HILL WATER QUALITY TABLE**

N   Collected   Defe		#of samples	Measurement ppm ppb ppb			Contamination
N N 2009 N Z007 N Z007 N Z007	0.135 0.8	exceding MCL/ACL C CONTAMINANTS 0.132- 0.135 0.7- 0.8000				
N N 2009 N 2009 N 2007	0.135	CCONTAMINANTS 0.132- 0.135 0.7- 0.8000				
N N 2009 N 2009 N 2007	0.135	0.132- 0.135 0.7- 0.8000				
N N 2009 N N N N 2009 S S S S S S S S S S S S S S S S S S	0.135	0.132- 0.135	qdd	**********		
N N 2009 N 2009 N 2007	0.135	0.132- 0.135	qdd	_		Discharge of drilling
N Z 2009 N Z 2009 N Z 2007 N Z 2007	0.135	0.132- 0.135	qdd			wastes;discharge
N 2009 N 2009 N 2007 N 2007	8.0	0.7- 0.8000	qdd	2	7	from metal refineries
N N 2009 N 2009 N 2007 N 2007	80.	0.7- 0.8000	qdd			erosion of natural
N N 2009 N N 2009 N N N 2007	8.0	0.7- 0.8000	qdd			deposits
N 2009 N 2009 N 2000 N 2000 N N N N N N N N N N N N N	8.0	0.7- 0.8000	qdd			Discharge from steel
N 2009				100	100	and pulp mills; erosion
N 2009						of natural deposits
N 2009 N 2007						Erosion of natural
N 2009						deposits; water additive
N 2007	0.106	0- 0.106	mdd	4	4	which promotes strong
N 2007						teeth; discharge from
N 2007						fertilizer and aluminum
N 2007						factories
N 2007						Corrosion of household
N 2007						plumbing systems;erosion
N 2007	.2648	0	mdd	1.3	AL=1.3	of natural deposits
N 2007						leaching from wood pre-
N 2007						servatives
N 2007						Corrosion of household
	7:	0	qdd	0	AL=15	plumbing systems;erosion
						of natural deposits
DIS	DISINFECT/	DISINFECTANTS AND DISINFECTION BYPRODUCTS	<b>ECTION BYPR</b>	ODUCTS		
Chlorine	0,00	0 12- 0 19	8	V	_	Water addition to
	) ;	<u>.</u>	<u> </u>	۲	r	control microbes

## LAKE PIOMINGO WATER QUALITY TABLE

Contaminant	Violation	Date	Level	Range of Defects	Unit of	MCLG	MCL	Likely source of
	X X	Collected	Detected	#of samples	Measurement			Contamination
				exceding MCL/ACL				
			INORGAN	INORGANIC CONTAMINANTS				
								Discharge of drilling
								wastes;discharge
Barium	Z	2009	0.138	0.129- 0.138	mdd	7	2	from metal refineries
								erosion of natural
								deposits
								Discharge from steel
Chromium	z	2009	6.0	0.6- 0.9000	qdd	100	100	and pulp mills; erosion
								of natural deposits
								Erosion of natural
								deposits; water additive
Fluoride	z	2009	0.117	0- 0.117	mdd	4	4	which promotes strong
								teeth; discharge from
								fertilizer and aluminum
								factories
								Corrosion of household
								plumbing systems;erosion
Copper	z	2008	.2182	0	mdd	1.3	AL=1.3	of natural deposits
								leaching from wood pre-
								servatives
			•					Corrosion of household
Lead	z	2008	2.7	0	qdd	0	AL=15	plumbing systems; erosion
								of natural deposits
			DISINFEC	DISINFECTANTS AND DISINFECTION BYPRODUCTS	FECTION BYPR	ODUCTS		
0000	Z	0000	2,0	0.42			_	Motor codification to
<u> </u>	2	600	<u>.</u>	0	<u>.</u>	t-	t	vvater additive used to
					T T			))))));;;;;))

## **MACEDONIA WATER QUALITY TABLE**

Contaminant	Violation	Date	Level	Range of Defects	Unit of	MCLG	MCL	Likely source of
	ΝX	ס	Detected	#of samples	Measurement			Contamination
				exceding				
				. MCL/ACL				
			INORGAN	INORGANIC CONTAMINANTS	S			
								Discharge of drilling
								wastes;discharge
Barium	z	2009	0.135	0	mdd	2	2	from metal refineries
		-						erosion of natural
								deposits
								Discharge from steel
Chromium	z	2009	1.0	0	qdd	100	100	and pulp mills; erosion
								of natural deposits
								Corrosion of household
								plumbing systems; erosion
Copper	z	2007	.2541	0	mdd	1.3	AL=1.3	of natural deposits
								leaching from wood pre-
								servatives
								Corrosion of household
Lead	z	2007	7.	0	qdd	0	AL=15	plumbing systems;erosion
								of natural deposits
			DISINFEC	DISINFECTANTS AND DISINFECTION BYPRODUCTS	<b>-ECTION BYPR</b>	ODUCTS		
Chlorine	z	2009	0.19	0.11- 0.19	mdd	4	4	Water additive used to
								control microbes

## RED HILL WATER QUALITY TABLE

Contaminant	Violation	Date	Level	Range of Defects	Unit of	MCLG	MCL	Likely source of
	X	Collected	Detected	#of samples	Measurement			Contamination
				exceding				
				MCL/ACL				
			INORGAN	INORGANIC CONTAMINANTS	S.			
								Discharge of drilling
								wastes;discharge
Barium	z	2009	0.140	0	mdd	2	2	from metal refineries
								erosion of natural
								deposits
								Discharge from steel
Chromium	z	2009	1.7	0	qdd	100	100	and pulp mills; erosion
			_					of natural deposits
								Corrosion of household
*****								plumbing systems; erosion
Copper	z	2009	0.037	0	mdd	£.	AL=1.3	of natural deposits
								leaching from wood pre-
								servatives
								Corrosion of household
Lead	z	2009	0.0005	0	qdd	0	AL=15	plumbing systems; erosion
			-					of natural deposits
			DISINFEC	DISINFECTANTS AND DISINFECTION BYPRODUCTS	FECTION BYPR	ODUCTS		
Chlorine	z	2009	0.18	0.09- 0.18	mdd	4	4	Water additive used to
								control microbes

Tuesday, May 25, 2010 Page 95 2009 0,1-0,108 DIDMINGHAN RIDGE WAYER QUALITY DAYATABLE
Lacet Report of Defects
Defection of Stamples Head Proceedings of the Conference of Stamples Head Proceedings of the Conference of th 2009 0.12-0.10 N 2009 0.21 DAR HILL WATER

97				Exceeding MCL/ACL			1	Comment of the Commen
Barjum	1 N	2009	0.135	INORGANIC 0.132-0.135	CONTAMINA			
		1.77	1 7.07	0.132-0.135	ppm	2	2	Discherge of drilling wastes; discharge from metal refiner; ension of natural deposits
Chromium	N	2009	0.8	0.7-8.8000	dqq	10	0 100	Gischarge from steel and neur
Fluoride	H N	2009	0,106	0-0.106	(	1		Glacharge from steel and pulp mills; erosion of netural deposits
		1	1 ****	0.0106	ppm	1 4	4	Erosion of natural deposits: Water additive which promote
Copper	N.	2007	2648	- 6		444		Stosion of natural deposits: Water additive which promote strong teeth; discharge from fernister and aluminum factor
Jead	1	1			ppm	13	AL-1.3	Corrosion of household plumbing systems; erosion of naturel deposi
	1 "	2007	1.1	р.	ppb	0	AL=15	Corresen of household outputing systems erosion of natural stepos essential stepos essential stepos essential from second pumbing corresponding property of natural deposit property in the second pumbing appears; erosion of natural deposit
Chlorina	I N	2009	0.19	D 2-0.19	SINFECTION Ppm	BYPRO	DUCTS	
-				ACEDO ITA WAT	Sec. 12. 28.05 (42.2	30400000	1 .	Water additive used to control microbes
ontaminant	Violatio V/N	n Date Collecte	Level Detected	Range of Defect	5 Unit of	T MCL	) MCL	Likely Spurce of Contamination
				Ex ending MiL/ACI	S Unit of Measure ment			
arium .	I N	2009	0.135	INDEBANTO O			1.	1
	1		0.000		ppm	2	2	Discharge of drilling wastes; discharge from metal ratheries erosien of natural deposits
hromium	H	2009	1.0	9	pab	100	100	Discharge from steel and pulp
opper	<b>Т</b> м	2007	.2541	- 0	ppm	1		Discharge from steel and purp mile; erosion of natural deposits
ago .				1	) PPIII	1,3	AL-13	Corrosion of household plumping systems; erosion of natural deposits teaching from wood preservatives
.40	N	2007	1,5	-0	ppb	0	AL#15	corresion of household plumbing systems; prosion of natural deposit
niorine	I N	2009	DISINFE 0.19	TANTS AND DIS		BYPROI		
	4	1	1 2 2 2 2 2 2	RED HILL WATER	ppm		4	Water additive used to control microbes
menimant	Violation Y/N	Date Collected	Level Detected	Range / Defects	Unit of	MCLG	I MCL	Likely Source of Contamination
			1	Range / Defects # of Lamples Exceeding MC /ACL	Measure		100	A Acad a commence
	1			INOREANIC CO	HANTHATIN	*	1	I.
ilom.	N	2009	0.140	, o	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosign of natural deposits
ramium	N	2009	1.1	9	ppb	100	100	prosion of natural deposits
pper	N	2009	0.037	0 -				Discharge from steel and pulp mills, erosion of natural deposits
				v	ppm?	1.3	AL=1.3	Corrosion of household plumbing systems, erosion of natural deposits; leaching from wood preservatives
ed	N	2009	0.0005	9	ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
orine	l n	2009	DISINFEC 0.18	TANTS AND DES 0.09-0.18		PROD	JCTS	200
	<u> </u>	-	500		ppm		•	Water additive used to control microbas
taminant	Violation Y/N	Date Collected	Level Detected	PIOMINGO WAT Range of Defects	Link of	MCLG	MCL T	Likely Source of Contamination
	4.6			Range of Defects # of Samples Exceeding MCL/ACL	Measure- ment			- Territor el Constitutación
mul		2009	0.138	INORGANIC CO 0:129-0.138				
			****	0.134-0.138	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
emium	"	2009	0.9	0.6-0.9000	ppb,	100	100	erosion of natural deposits Discharge from steel and bulb
ride	N	2009	0.117	0-0.117	ppm	4	4	Discharge from steel and pulp mills; erosion of natural deposits
					****		'	Erosion of natural deposits; water additive which promotes strong teath; discharge from terblizer and aluminum factories
per	N	2008	-2182	q	ppm.	13	AL-13	ertilizer and aluminum factories
<del>,                                     </del>	N	2008	2.7					Correspond household plumbing systems; exhalon of natural deposits; eaching from wood preservatives
				0	ppb	0		orrosion of nousehold plumbing ystems, ecosion of natural deposits
rine	N	2009	0.18	0.12-0.18	PPM	PRODU	L13	Veter additive used to control
urces of drink	ing water e obes, inom	re subject	to potential	contamination by is and radioactive some contaminan contaminants and	substances tr	at are r	laturally occ	nicro urring or man made. These sub- uding bottled water, may reason-
a expected to	contain at	least small	amounts of	Some contaminar	auustances A	n Offitikli	of water, incl	uding bottled water, may reason- fors not necessarily indicate that ained by calling the Environmen-

25, 2010.